

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Chow et al.	Examiner: NA
Serial No. NA	Group Art Unit: NA
Filed: NA	
For: NANOSIZE PARTICLE COATINGS	Sept. 17, 2001
MADE BY THERMALLY SPRAYING	
SOLUTION PRECURSOR FEEDSTOCKS	

**PRELIMINARY AMENDMENT**

Honorable Commissioner of Patents  
Washington, DC 20231

Sir:

In filing this divisional patent application, please make the following amendments in the attached specification and the claims:

in the specification:

At page 1, line 5, please insert the following:

**--CROSS REFERENCE TO RELATED APPLICATION**

This application is a Continuation-In-Part of co-pending application Serial No. 09/019,061, filed Feb. 5, 1998, which issued as US Patent 6,025,034, by Strutt et al, which is a continuation of Application No. 08/558,133 filed Nov. 13, 1995, now abandoned.--

Please replace the paragraph beginning at page 11, line 13, with the following rewritten paragraph:

--Fig. 2 illustrates how the gradient can be finely controlled to change from one composition to another by using the solution precursors. The three component layer shown in Fig. 2 also illustrates how the three layers can be built up with good adherence between the layers due to the gradient transition between them. When coating A is alumina, it provides good adherence to the substrate. When coating B is zirconia, it provides thermal resistance

properties. By applying a second layer of A of alumina, it provides oxygen protection to the intermediate zirconia layer. Such a concept of graded coatings can be used in other application as well and by using other materials.--

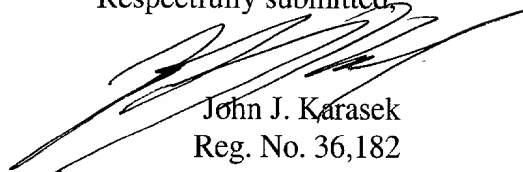
in the claims:

Please cancel claims 1-17 in this application and retain claims 18-25 for prosecution herein.

#### Remarks

This is a divisional patent application NC 82,637 of parent application NC 78,896 entitled "Nanosize Particle Coatings Made by Thermally Spraying Solution Precursor Feedstocks" filed June 30, 1998, and bearing Serial No. 09/106,456. Attached is a copy of the parent application as filed.

Respectfully submitted,



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